



ATLAS Gas System Status 2024/25

Mattia Busato

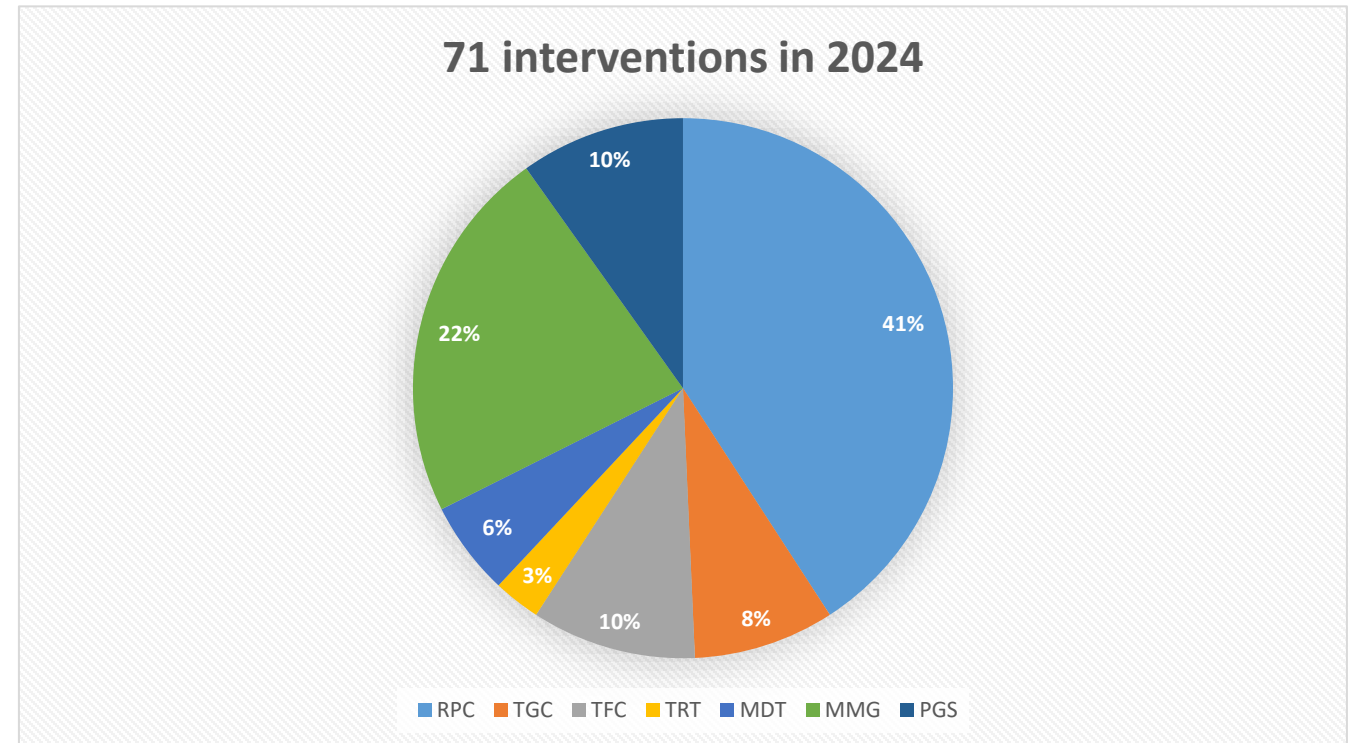
10/02/25

Outlook

- Piquet intervention statistics
- General gas system maintenance
- 2024 activities
- 2025 activities

Piquet intervention statistics

- **RPC** many interventions due to humidifier malfunction and/or humidity level out of range
- **MMG** many interventions due to Profibus problem
- **TFC** few interventions due to frequency converter of the pump malfunctioning
- **PGS** interventions will be on BE-EA



General gas systems maintenance

- **Filters** replacement and cleaning
- **Pump** membranes replacement
- **Mass flow controller** recalibration
- **Safety valves** recalibration
- **Analysis** devices calibration
- **Analysis pumps** replaced
- **Humidifier** water tanks refilled

Activities 2024

- **RPC flowcell replacement campaign** → 400+ flowcells recalibrated for the 9 distribution racks.
- **TGC flowcell recalibration** → 100+ flowcells in rack 63 and 67.
- **MDT motherboards and ELMBs replacement** → 10 distribution racks
- **RPC purifiers maintenance** → material replacement and columns clogging investigation
- **TFC pump replacement**

Activities 2025

- **MDT distribution** flow regulation
- **RPC distribution** high flow tests
- **ANUBIS** gas flow increase

- **Requests for 2025 EYETS ?**